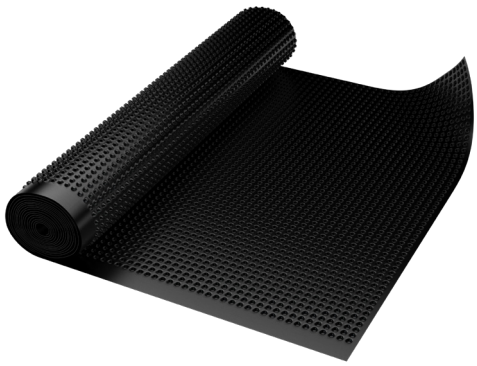
WE DEVELOP ROOFING IDEAS

Eurovent®

TECHNICIAL DATA SHEET



# Eurovent GEO 8 600

An embossed foundation foil made of high-density polyethylene (HDPE) with a thickness of approx. 0.62 mm. Designed for use in insulation and drainage systems in retaining and foundation walls, bridge abutments, ceiling slabs, tunnels, for sealing ditches, retention reservoirs, and drainage channels. It also serves as a separation and sealing barrier in the construction of roadbeds, railways, and airports, as well as a protective layer against mechanical damage to insulation layers and a root barrier layer in flat roofs.

| PARAMETER | VALUE | UNIT |
|---|---|---|
| Watertightness | - | Watertightness to 60 kPa |
| Waterproofing after artificial aging | - | Watertightness to 60 kPa |
| Watertightness after chemicals | - | Watertightness to 60 kPa |
| Tensile strength | [kN/m] | MD ≥ 8,0 (-1,0)<br>CMD ≥ 7,0 (-1,0) |
| Elongation at break | [%] | MD ≥ 30<br>CMD ≥ 28 |
| Maximum tensile force | [N/50mm] | MD ≥ 305<br>CMD ≥ 270 |
| Elongation | [%] | MD ≥ 45<br>CMD ≥ 40 |
| Compression strength | - | 300 t/m$^2$<br>300 kPa / 30 t/m$^2$ |
| Static puncture resistance (CBR) | [N] | > 950 |
| Reaction to fire | - | Class F |
| Stud height (product thickness) | [mm] | 8,0 |
| Surface mass | [g/m$^2$] | 600 |
| Thickness (cross-section) | [mm] | 0,6 |
| Microbiological resistance | - | 100% strength retention |
| Temperature resistance | [°C] | -40 to +80 |

Eurosystem Polska Sp. z o.o. Sp.K.
ul. Wiejska 13, 46-055 Przywory, Poland

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# Eurovent GEO 8 600

## Application:

The GEO 8 600 foundation foil is used in various areas of residential and industrial buildings. Installed between the foundation wall and the ground, it forms a moisture barrier, protection against mechanical damage, and shielding from the harmful effects of tree and shrub roots. It performs drainage and ventilation functions for vertical foundation walls and protects them against moisture. When used in terraces and balconies, it prevents moisture from penetrating the concrete layer, equalizes hydrostatic pressure, and acts as a drainage layer that directs water leaking from the floor or gravel to drainage pipes. In ceiling insulation applications, it protects against moisture and enables the even pouring of concrete flooring.

## Additional information:

Durability: minimum 25 years in natural soils with 4 < pH < 9 and temperatures below 25°C.

## Storage / transport:

The product should be stored in an original package, in dry, covered and free from moisture and UV radiation places. The foil is heavy, therefore we recommend storing either on original EURO pallets, or other pallets suitable for storing heavy items. The product should be transported by covered means of transport and protected from damage. Prepared for transport in a manner that protects them from damage and destruction. During transport safety regulations must be observed.

The product is covered by the warranty provided that the guidelines contained in the technical sheet are strictly adhered to. The manufacturer reserves the right to refuse to accept the complaint in the event of non-compliance with the presented guidelines.

*Contained information, advice and guidance is given based on our knowledge, researches, experience and in good faith. We are no responsible for the consequences of improper or incorrect use of our products. Each user of this material will ensure in every possible way, including an examination of the final product in the relevant conditions, the suitability of supplied materials to achieve the objectives pursued by him.*

*Product information can be found on the website: www.eurovent.de*

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